YURAJ ISURINDA

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PROFILE

Passionate about crafting intelligent, real-world solutions through innovation and efficiency. Computer Engineering undergraduate with strong skills in Java, Python, and Artificial Intelligence. A proactive leader who thrives in collaborative environments and embraces challenges as opportunities to grow, solve problems, and drive impact.

EDUCATION

- **Bachelor of the Science of Engineering in Computer Engineering**

  University of Jaffna - Jaffna, Sri Lanka
  Expected Graduation: April 2026
  GPA: 3.5/4.0

- **G.C.E. Advanced Level Examination (2020)**

  R/Sivali Central College - Ratnapura, Sri Lanka
  Grades: Physics - B │ Chemistry - B │ Combined Mathematics - B

TECHNICAL SKILLS

- **Programming Languages**

  Java │ Python │ C++ │ SQL │ Javascript │ MATLAB

- **Frameworks and Libraries**
  Frontend:
  - React.js │ Bootstrap │ Tailwind.css │
  Backend:
  - Express.js │ Node.js │ Spring Boot │ Flask │ .NET │
  Testing:
  - JUnit │ Jest

- **Databases**

  MongoDB │ MySQL

- **Developer Tools**

  Git │ Docker │ VS Code │ Cursor

- **Other**

  OPP │ Data Structures and Algorithms │ Applied Algorithms │ Agile/Scrum │ CI/CD │ RESTful APIs │Machine Learning │ Deep Learning │ NLP │ LLM │ Data Preprocessing │ Feature Engineering │ Transfer Learning

PROJECTS

- **Student Lab Booking and Equipment Borrowing Portal for University jaffna**

  Full-stack web application developed for the University of Jaffna, streamlining lab reservations and equipment lending. Enables real-time scheduling, request tracking, and admin oversight with user-friendly interfaces and secure operations.

  Contribution : Frontend/ Backend / Testing

  Tech Stack: MongoDB, Express.js, React.js, Node.js (MERN), JUnit

- **Student Feedback Management System for Department of Computer Engineering, University of Jaffna**

  Web-based platform designed for the Department of Computer Engineering, University of Jaffna, to collect, manage, and analyze student feedback on courses and faculty. Enables secure submissions, admin dashboards, and structured reporting.

  Contribution : Frontend/ Backend / Database

  Tech Stack: PHP, MySQL, JavaScript, HTML, Bootstrap

- **Image Caption Generator using CNN-LSTM**

  Cross-platform mobile app for roommates to track and share key locations in real-time. Features include user authentication, live key status updates, and push notifications for lock/unlock events.

  Tech Stack: React Native (Expo), Firebase (Auth, Firestore, Cloud Messaging), Git/GitHub

- **Image Caption Generator using CNN-LSTM**

    Deep learning-based application that generates contextually relevant captions for images by combining CNN for feature extraction and LSTM for sequence generation. Trained and tested in Jupyter Notebook using standard datasets and evaluation metrics.

    Tech Stack: Python, TensorFlow/Keras, Jupyter Notebook

ACHIEVEMENTS

- Semi finalist in TECHNOVATION 2025 - SLTMobitel
- AlogoXplore 1.0 - Local rank 16

CERTIFICATIONS

- Diploma in Software Engineering = SUSL (Awaiting results)
- Google exploreCSR Summer School on Machine Intelligence
- Computer Vision by Kaggle
- Machine Learning Explainability by Kaggle
- Introduction to Deep Learning by Kaggle
- Introduction to Machine Learning by kaggle

VOLUNTERRING

- Co Editor, Rotaract Club of Ratnapura (Jun 2025 - Present)
- Assistant Secretory in Computer Engineering Society (Oct 2024 - Present)
- Executive Commitee Vice President, Engineering Students' Union (Jan 2024 - Precent)
- Initiative Group Vice Precident (IGVP) for outgoing Global Volunteering (oGV) in AIESEC in Jaffna (Aug 2023 - Dec 2023)

REFERENCES

- **Dr. Pratheeba Jeyananthan**
  Head of the Department,
  Department Of Computer Engineering,
  University Of Jaffna,
  Sri Lanka.
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- **Dr. Jananie Jarachanthan**
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